# Use Attainability Analysis

for

### WBID 651 Little Shoal Creek

Submitted by Missouri Department of Natural Resources Staff

To Missouri Department of Natural Resources Water Protection Program



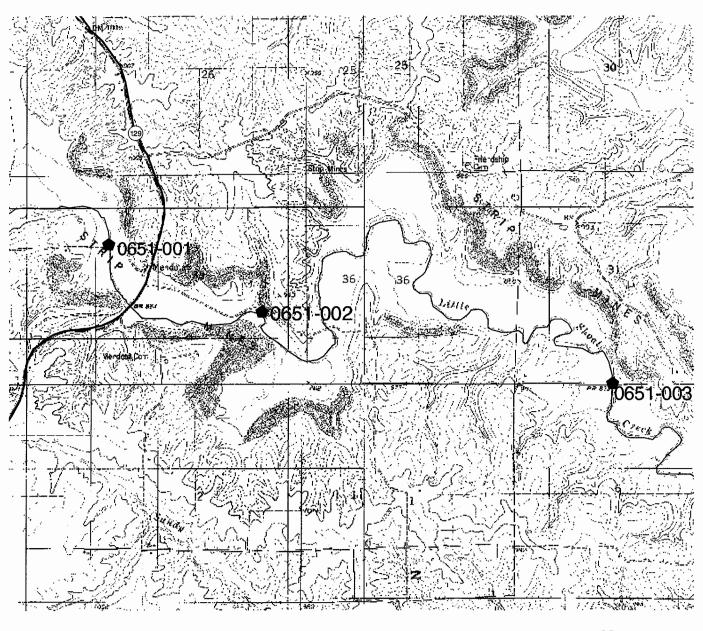
### Data Sheet A - Water Body Identification

		- STUPING
Water Body Name (from USGS 7.5' quad):	Little Shoal Creek	
8-digit HUC: 10780201		
Missouri WBID#: 0651		
County: Putnam		
Upstream Legal Description: NE 1/4	NEYA, Sec. 4, T66N,	R 18W
Downstream Legal Description: NW1/4,		
Upstream Coordinates: 40.56 907		
Downstream Coordinates: 40, 55 93 5	N/92.85263W/ 13.1 Ft	
Discharger Facility Name(s):	• 1	· · · · · · · · · · · · · · · · · · ·
Discharger Permit Number(s):		
Number of Sites Evaluated: 3		
Name of Surveyor and Telephone Number:	Dave Dowdy 660-3	85 - 7996
Organization: SwcP		
Position: SS <b>I</b> I		

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Signed:	(1.	Marshaus	•	Date:	7-7-05	

# Little Shoal Creek (0651) - Putnam County











#### Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

	0651-01		2,44,2	. Shoal Creek	
Site GPS Coordinates:	40.56907	-N/92.8983	ιω.		
Date & Time: 7-4	-05 @ 11:15		Facility Name:		
Personnel: DD,	AM		Permit Number	r:	
Current Weather Cond	itions: Hot Humi	d Clear mid	Weather Condi	tions for Past 7 days: So	ne Rain, 80's
Photo Ids: Upstream:			Oth	······································	
10- <u>10-10-10-10-10-10-10-10-10-10-10-10-10-1</u>				<del></del>	
es Observed*:					
☐ Swimming	Skin diving	SCU	BA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boat	ing	Wading	Rafting
Hunting	☐ Trapping	Fishi	ng	None of the above	Other:
rounding Condition	ns*: (Mark all that )	promote or impe	de recreational u	ses. Attach photos of evide	nce ot unusual
rounding Conditions of interest.)	ns*: (Mark all that )	promote or impe	de recreational u	ses. Attach photos of evide	nce ot unusual
. •	ns*: (Mark all that <sub>l</sub>	promote or impe		ses. Attach photos of evide	nce or unusual
s of interest.)		<u> </u>	ervation lands	-	
s of interest.)  City/county parks	Playgrounds	MDC cons	ervation lands rests	Urban areas	Campgrounds
s of interest.)  City/county parks  Boating accesses	☐ Playgrounds ☐ State parks ☐ Fence	☐ MDC cons	ervation lands rests	Urban areas  Nature trails	Campgrounds
S of interest.)  City/county parks  Boating accesses  No trespass sign	☐ Playgrounds ☐ State parks ☐ Fence	☐ MDC const	ervation lands rests	Urban areas  Nature trails	Campgrounds
s of interest.)  City/county parks  Boating accesses  No trespass sign  dence of Human Us	☐ Playgrounds ☐ State parks ☐ Fence	☐ MDC const ☐ National for ☐ Steep slope  ats ☐ Doc.	ervation lands rests s	Urban areas  Nature trails  Other:	☐ Campgrounds ☐ Stairs/walkway

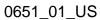
Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

<sup>\*</sup>Some of this information is not intended to directly influence a decision on any one particular recreational use an alysis but may point to conditions that need further analysis or that effect another use.

# Data Sheet B - Site Characterization

Page Two - WBID #\_0651:-- 01

	ew Physical E	Length (ft):	Avg. Depth (ft): <0.	Max. Depth (ft):	0.25
Run W	dth (ft); 9	Length (ft): (25	Avg. Depth (ft):	Max. Depth (ft):	0,50
Pool Wi	dth (ft):	· Length (ft):	Avg. Depth (ft):	Max. Depth (ft):	<u> · </u>
	sent? Yes		Estimated (ft³/sec):	Train Doput (11).	<del></del>
Downstream	View Physical	l Dimensions:	· ·	·	
	ith (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):	
Run Wi	ith (ft): 9	Length (ft): 225		Max. Depth (ft):	ರಿ.೩5
Pool Wie	ith (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):	0.100
Flow Pre	sent? XYes	□No	Estimated (ft³/sec):		
		unt of vegetation or algal gro Hian Étrees a	long banKS		
the Hyd	ric Vegeta	tion étrees a			
the Hyd	ric Vegeta	all that apply.)		Other:	
ter Character	ric Vegeta	all that apply.)	long banks	☐ Other:	
ter Character Odor: Color:	ric Vegeta  istics*: (Mark:  Sewage  Clear  Sludge	all that apply.)  Green Green	hemical None  Tay Milky  The sediments None		
ater Character Odor: Color: Bottom Deposit: Surface Deposit:	ric Vegeta  ristics*: (Mark: Sewage Clear Sludge Oil	all that apply.)    Musky   C   Green   Green   Fo	nemical None ray Milky ne sediments None nam None	Other: Other: Other:	
ater Charactel Odor: Color: Bottom Deposit: Surface Deposit: mments: Pleas W: 14: 1: 2. W is information is n prehensive unders sion on the recrea	ristics*: (Mark :  Sewage Clear Sludge Oil  e attach addition to be used sole tanding of water tion use analysis in the control of the contro	all that apply.)    Musky   Compared to the position of a recreation conditions. Consequently, the position of	temical None  Tay Milky  The sediments None  Tay None  Tay None	Other: Other: Other:  Other:  other:	
ater Character Odor: Color: Bottom Deposit: Surface Deposit: mments: Pleas Wild Hile Wo	Sewage   Sewage   Clear   Sludge   Oil   e attach additionate and accurate.	all that apply.)    Musky	hemical None  ray Milky  ne sediments None  am None  ng information from intervi-  y anks, Small me  nal use designation but rather is this information is not intended to that need further analysis or that e	Other: Other: Other:  Other:  other:	







#### Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #: 065   -02   Site Location Description:  Lithe Shool Creek  Date & Time: 7-6-05 @ 11:30	kiing
Site GPS Coordinates: 40.56 48N 92.58334	kiing
Date & Time: 7-6-05 @   : 30 a Facility Name:  Personnel: DD AM Permit Number:  Current Weather Conditions: M: 180 S F Sunny Weather Conditions for Past 7 days: Hot, Some & Photo Ids: Upstream: 0451 U Z Downstream: 0651 D Z Other:  Uses Observed*:  Swimming Skin diving SCUBA diving Tubing Water story Wind surfing Kayaking Boating Wading Rafting Hunting Trapping Fishing None of the above Other:	kiing
Personnel: \$\( D \) AM Permit Number:  Current Weather Conditions: \$\( \lambda \) \( \	kiing
Current Weather Conditions: Mil 80'S F Sunny, Weather Conditions for Past 7 days: Ho-f., Some & Photo Ids: Upstream: 045 (UZ Downstream: 065 DZ Other:  Uses Observed*:  Swimming Skin diving SCUBA diving Tubing Water st Wind surfing Kayaking Boating Wading Rafting Hunting Trapping Fishing None of the above Other:	kiing
Photo Ids: Upstream: 045(UZ Downstream: 0651DZ Other:  Uses Observed*:  Swimming Skin diving SCUBA diving Tubing Water sl Wind surfing Kayaking Boating Wading Rafting Hunting Trapping Fishing None of the above Other:	kiing
Uses Observed*:  Swimming Skin diving SCUBA diving Tubing Water st Wind surfing Boating Wading Rafting Hunting Trapping Fishing None of the above Other:	
□ Swimming     □ Skin diving     □ SCUBA diving     □ Tubing     □ Water sl       □ Wind surfing     □ Kayaking     □ Boating     □ Wading     □ Rafting       □ Hunting     □ Trapping     □ Fishing     None of the above     □ Other:	
☐ Wind surfing     ☐ Kayaking     ☐ Boating     ☐ Wading     ☐ Rafting       ☐ Hunting     ☐ Trapping     ☐ Fishing     None of the above     ☐ Other:	
☐ Hunting ☐ Trapping ☐ Fishing None of the above ☐ Other:	
Surrounding Conditions*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual tems of interest.)	
☐ City/county parks ☐ Playgrounds ☐ MDC conservation lands ☐ Urban areas ☐ Campgro	unds
☐ Boating accesses ☐ State parks ☐ National forests ☐ Nature trails ☐ Stairs/wa	lkway
☐ No trespass sign ☐ Fence ☐ Steep slopes ☐ Other:	
Evidence of Human Use*:	
☐ Roads ☐ Foot paths/prints ☐ Dock/platform ☐ Livestock Watering ☐ RV / AT	V Tracks
☐ Rope swings ☐ Camping Sites ☐ Fire pit/ring ☐ NPDES Discharge ☐ Fishing T	ackle
MOther: Wild Le	

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

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ream Mori Upstream	ohology: View Physical D	imensions:				
Riffle	Width (ft):	Length (ft):	Avg. Dept	b (ft):	Max. Dept	ı (ft):
Run	Width (ft): 🍃	Length (ft):	90 Avg. Dept	h (ft): (), 5	Max. Depti	(ft): 2.5
☐ Pool	Width (ft):	Length (ft):	Avg. Dept	h (ft):	Max. Depti	· · · · · · · · · · · · · · · · · · ·
[XFlow	Present? Yes	□ No	Estimated	(ft³/sec):		
Downstrea	m View Physical	Dimensions:	: .			
	Width (ft):	Length (ft):	Avg. Depth	ı (ft):	Max. Depth	(ft):
⊠ Rım	Width (ft): 15	Length (ft): 1	Avg. Depth	(ft): 2025	0.5 Max. Depth	(ft): 2.5
□ Pool 1	Width (fi):	Length (ft):	Avg. Depth	(ft):	Max. Depth	(ft):
Flow I	resent? Yes	□ No	Estimated (	ft³/sec):		
uatic Veget Hy	ation*: (note amound of control o	nt of vegetation or al	gal growth at the ass	8 % Silt    cssment site)  ng bewy	% Mud/Clay	7 (aa.
Hy ter Charac	dric Plan Hydric teristics*: (Mark a	trees	gal growth at the ass sees alc along ba	essment site) rig bawk n.K. (	57.	i (gae
Hy ter Charac <sup>Odor:</sup>	dric Plan Hydric teristics*: (Mark a □ Sewage	~+8 & Grae Trees  If that apply.)  Musky	gal growth at the ass SSS alc along ba	essment site)  ng bewy  n K . (	Other:	2 (gae
ter Charac Odor: Color:	dric Plan blydric teristics*: (Mark a Sewage AClear	Trees  If that apply.)  Musky  Green	gal growth at the ass SSES alc  along ba  Chemical  Gray	essment site)  Ng bewy  NK (	Other:	% Bedrock
Hy ter Charac	dric Plan Hydric  teristics*: (Mark a  Sewage  AClear  it: Sludge	~+8 & Grae Trees  If that apply.)  Musky	gal growth at the ass SSS alc along ba	essment site)  ng bewy  n K . (	Other:	2 (gae
ter Charac Odor: Color: Bottom Depos Surface Depos uments: Ple s information is rehensive und ion on the reci e undersign	teristics*: (Mark a  Sewage  Clear  it: Sludge  it: Oil  ase attach additio  Min of  s not to be used solel erstanding of water of eation use analysis by  ned, hereby affirm	Il that apply.)    Musky   Green   Solids   Scum   nal comments (in the conditions. Consequent to conditions of a resonditions.	gal growth at the ass  SSES CAC  CALONG 64  Chemical  Gray  Fine sediments  Foam  cluding information only, this information that need further	essment site)  Alone  Milky  None  None  ation but rather in is not intended er analysis or that	Other: Other: Other: Other: Other: other: to other: to directly influent	icale  corm.
ter Charac Odor: Color: Bottom Depos Surface Depos uments: Ple s information is orehensive und ion on the recu e undersign sheet is tru	teristics*: (Mark a  Sewage  Clear  it: Sludge  it: Oil  ase attach addition  Min of water of the seation use analysis be	Il that apply.)    Musky   Green   Solids   Scum  nal comments (in the best of the best of the second control of t	gal growth at the ass  SSES CAC  CALONG DA  CHEMICAL  Gray  Fine sediments  Foam  Cluding information  creational use design  creations that need further  my knowledge, the	essment site)  Alone  Milky  None  None  ation but rather in is not intended er analysis or that	Other: Other: Other: Other: Other: other: to other: other: to other: to other: to directly influent teffect another unation reported	icale  corm.

0651\_02\_US





#### Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #:	0651-03		Site Location		
Site GPS Coordinates:		1929	35763W Little	shool creek	
Date & Time: 7-6-0	50 (2:00		Facility Name:		·····
Personnel: DD, A		·	Permit Numbe	г.	
Current Weather Condi		000	Weather Condi	itions for Past 7 days: Som	or Roin Hot this
Photo Ids: Upstream:			:am: 0 (25103) Oth	er:	e room, not prose
1	<u> </u>	<u> </u>		· · · · · · · · · · · · · · · · · · ·	
Jses Observed*:		-	·		
Swimming	Skin diving		SCUBA diving	Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking		☐ Boating	☐ Wading	Rafting
Hunting	Trapping		Fishing	None of the above	Other:
. —	18*: (Mark all that	promo	te or impede recreational u	uses. Attach photos of evide	nce or unusual
cms of interest.)	☐ Playgrounds		fDC conservation lands	Urban areas	Campgrounds
Boating accesses	State parks	<del></del>	ational forests	Nature trails	Stairs/walkway
☐ No trespass sign	Fence	+=-	teep slopes	Other:	,
vidence of Human Use		<u>,                                    </u>		possibly	
MRoadsCtyRd 120	Foot paths/pri	nts	Dock/platform	Livestock Watering	RV / ATV Tracks
Rope swings	Camping Sites		☐ Fire pit/ring	NPDES Discharge	Fishing Tackle
Other: Wildlife	Watering	-			
,	Δ				

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

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### Data Sheet B - Site Characterization

Page Two - WBID # 0651 :- 03

	idth (ft)	:	Length (ft):		Avg. Depth (ft)	:	Max. Depth (fi	:):	
⊠Run W	idth (ft)	: 18	Length (ft): (	80	Avg. Depth (ft)	<0.25	Max. Depth (fi	): <b>( )</b>	۲۱
Pool W	idth (ft)		Length (ft):		Avg. Depth (ft):	·	Max. Depth (fi	):	
Flow Pro	esent?	Yes	□ No		Estimated (ft <sup>3</sup> /se	ec):			·
Downstream	View	Physical	Dimensions:	,	:		· · · · · · · · · · · · · · · · · · ·	· <b>-</b> ~·	
Riffle Wi	dth (ft):		Length (ft):		Avg. Depth (ft):		Max. Depth (ft)	):	
Run Wi	idth (ft):	14-	Length (ft):	60	Avg. Depth (ft):	<0.25	Max. Depth (ft)	: 1	
Pool Wi	dth (ft):		Length (ft):		Avg. Depth (ft):		Max. Depth (ft)	);	
Flow Pre	sent?	X Yes	□No	•	Estimated (ft <sup>3</sup> /se	c):	,	· .	
		71 1 P. C. I I				ac A /	\		
			<b>o</b> .	tre	es, grass	es ahong	banks		
ter Characte	ristics	*: (Mark a	ll that apply.)						· .
Odor:	ristics	*: (Mark a Sewage	Il that apply.)  Musky	☐ Ch	emical 🗋	None	Other:		· · ·
Odor: Color:	ristics	*: (Mark a Sewage Clear	Il that apply.)  Musky Green	☐ Ch	emical	None Milky	Other:		
Odor: Color: Bottom Deposit:	ristics	*: (Mark a Sewage	Il that apply.)  Musky	☐ Ch	emical	None	Other:		
Odor: Color: Bottom Deposit: Surface Deposit: nments: Pleas information is a prehensive under ion on the recrea	se attace	*: (Mark a Sewage Clear Sludge Oil ch addition cused solel g of water contains by	Il that apply.)  Musky Green Solids Sourn  mal comments (in a point to consequent may point may point to consequent may point may po	Ch Ch Gri Fin For ncludin ecreation ecreation things the	emical  ay  le sediments  am  g information f  hal use designation is information is n hat need further and	None Milky None None rom intervie but rather is to ot intended to only sis or that ef	Other: ot	a ·	
Odor: Color: Bottom Deposit: Surface Deposit: nments: Pleas s information is a rehensive under ion on the recrea e undersigne sheet is true	se attacent to be estanding ation used, here and ac	*: (Mark a Sewage Clear Sludge Oil ch addition cused solel g of water co analysis b	Il that apply.)    Musky   Green   Solids   Sourn    Musky   Green   Solids   One of the least o	Ch Ch Gri Fin For ncludin ecreation ecreation things the	emical  ay  le sediments  am  g information f  hal use designation is information is n hat need further and	None Milky None None rom intervie but rather is to ot intended to of allysis or that ef	Other: ot	a ·	



